

Access Splays

The plan attached shows two visibility splays in each direction – 2.4 metres x 120 metres and 2.4 metres x 160 metres. The 2.4 metre line is set back from the edge of the carriageway and is suitable for the site. It is deemed that the requirement for 4.5 metres does not apply in this case as the site is not likely to be used by a high proportion of HGV's.

The speed survey shows that the 85th percentile speeds are in the order of 45mph in each direction, which means that the visibility needs to be designed to a 50mph speed limit. This is set out in a document called "Design Manual for Roads and Bridges", which requires a minimum of 160 metres in each direction.

The option "one step below" the minimum, which is 120 metres has been applied in this instance. This is because the 160 metre splay has a significant impact on vegetation in both directions and there are also possible land ownership issues to the south due to the bend in the road.

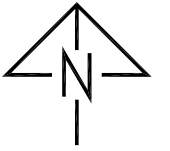
As such the 120 metre visibility is more appropriate limiting the loss of vegetation. This is sufficient for this type of road taking into account speeds and traffic flows.

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162.9m

+

2.4 metres x 120 metres

2.4 metres x 160 metres

+ 149.2m

Track

0.91m RH

Def 0.2

147.1m

+

RH

2.4 metres x 120 metres

2.4 metres x 160 metres

ED & Ward Bay

RH

Scale: 1:1000 @A3